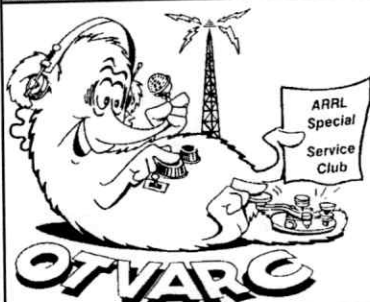


OSCILLATOR

OTVARC



1998 - TWENTIETH
ANNIVERSARY
YEAR

Oregon Tualatin Valley Amateur Radio Club (Est. 1978)

May, 1998

THE PREZ SAYS

By Betty, N7REX

May will be a busy month for the club. Our biggest source of club revenue is Sea*Pac and it is coming the last weekend in May. Remember that this event is OTVARC's event, attend if you can and support the club. Support the dedicated volunteers who are on committees by volunteering an hour or two at the convention.

Sign up slips will be available at the May club meeting. Gene Single, K7IUN, of TERAC, has done a wonderful job, as usual, in lining up speakers. When you get a chance, thank Al Berg, W7SIC, Jim Schaeffer, KB7ADH, Randy Stimson, KZ7T, and Brad Beach, N7NVC, who put in countless hours to make this event happen each year. There are many other people who serve on the committees or head committees. Thank them too when you get a chance.

May will also be busy for Chuck and me. We will be flying back to Ohio for our daughter-in-law's graduation from the University of Cincinnati Law School. We will get back just in time for Sea*Pac. Charley and Molly will be moving back to Oregon just after graduation.

Speaking of getting back just in time for Sea*Pac, Ernie, KC7PMZ and Claire, KC7PMW, Johnson hope to be back from Massachusetts just in time. How are snow in Wyoming and coyotes in Nebraska alike? For their answer and the rest of the story, ask them.

A big thank you to Julie and Harold, WA0BRU Landers for the treats at the April club meeting. The Easter candy and the chocolate money were wonderful. The few chocolate coins that were left over were about all we had left after tax day. Thank you for your thoughtfulness.

Field day is fast approaching. Get your ideas to Alan Chinnock, KB7POR, who is the man in charge this year. Since field day is the 4th

Saturday of the month, the 'Lunch Bunch' will not go out to eat. Instead, we are requesting that all of you join us for the Saturday evening pot luck at Willamette Mission State park where we will be holding field day. The pot luck will be about 5:30pm. Come join the fun.

Public Service season has begun. Several club members participated in the MS Walk. Watch the newsletter for opportunities to help. Chuck and I will again be doing communications for the Summit to Surf Bicycle Ride in July, the Walk to Cure Diabetes, and the Walktoberfest later in the fall. If you want to help with any of these events, please let us know.

Also, we will again this year be in charge of the lunch site for the MS 150 Bike Tour. If you would like to help with preparing and serving lunch to the 500 or so riders, we can always use extra hands (this is NOT an opportunity to use your ham radio skills. For that you would have to see Randy). We will be at the historic Viola school this year.

(Continued on page 2)

NEXT MEETING

WEDNESDAY, MAY 13

Don Sherman, with *WANT WEB TV*, a part of *AMERICAN TELECASTING* of Portland, Oregon, will demo and tell us about "High Speed Wireless Connections" from a 2 gigahertz ground based transmitter to your local internet receiving dish. The system covers a 40-50 mile receiving radius. It'll be interesting.

W7OTV 146.90 (RPTR) WWW.EASYSTREET.COM/OTVARC

(Continued from page 1 - Prez Says)

WHERE IN THE WORLD ARE THEY? We aren't looking for Carmen Sandiego, but for previous club officers. If you know any of them, please invite them to a club meeting. This is our 20th anniversary year. Let's celebrate with those who helped the club over the years. See you at the meeting and 73. □□

OTVARC FIELD DAY 1998

By Alan KB7POR

The time is rapidly approaching for Field Day 1998. The date this year is June 27 and 28. This is our year for the "remote" location. We will be making a return trip to Willamette Mission State Park this year. As in the past we will start camping on Friday evening, the 26th. The park is located near the Willamette River just upstream from the Wheatland Ferry. The quickest access is off I-5 at the Brooks exit, follow the signs to the park and the ferry.

So far we are planning to have the usual HF voice station, a CW station, a Novice/Tech station, a QRP station, and a VHF/UHF station. Some of the equipment has been lined up and some of it has not. If you would like to help with the loan of radios, antennas, antenna supports, power supplies, wires, or duct tape, give me (Alan Chinnock, KB7POR) a call at 636-2237. If you would like to assist with a communications mode not listed above, (satellite, packet, ATV, laser, microwave, etc.) call me.

This year we were unable to get the area with the shelter, so we have an extra need for portable shelters for radio positions, eating areas, and social areas. Any assistance with these types of devices will be appreciated. I realize that covers to protect us from the rain are totally unnecessary since it never rains during Field Day. Since we are without the shelter, there is no electrical plug in. Plan accordingly.

The Travelers have graciously agreed to assist with the FOOD. The basic plan for food is as follows. Breakfast Saturday and Sunday mornings will be sweet rolls and muffins with caffeine fluid. Lunch on Saturday and Sunday will be build your own sandwiches. Dinner will be a Traveler's potluck. More details on this later as I get the plans put together. For those coming in Friday evening, eat before you arrive.

There are a few rules changes for Field Day this year. See the article in last month's Oscillator. The ARRL has a really neat web site talking about Field Day. It is worth checking out. The address is:

<http://www.arrrl.org/contests/announcements/98/fd>. (Look out for old stuff on Field Day 1997, they have not cleaned out from last year yet.) The May QST also has the rules for 1998 on page 108.

If you have any additional ideas or offers to help, give me a call, or see me at the next meeting. □□

A SPECIAL EVENT!
SEA*PAC

FIELD DAY POSITIONS AVAILABLE

By Alan, KB7POR

Public Information Officer – OTVARC Field Day 1998 has a position open for an energetic person to publicize OTVARC and Field Day. Assistance is available from ARRL to make this job a breeze. Call now and avoid the rush to fill this position. We get bonus points for media coverage and you could be on TV.

0400 CW Operator – Backup CW operator is needed when Carl falls asleep. Must be able to operate coherently on caffeine. You may bring your own key and flashlight.

HF Radio Operators – 24 hours is a long time to be on the radio, if you are one person. Lots of available people make the job much easier. Experience is not required. Novice and Tech operator are urged to apply. You too can work HF under the controlling eye of a properly licensed ham. Sign up at the next club meeting — look for the Field Day flag.

VHF/UHF Radio Operators – Experience the thrill of finding that E-cloud and talking to Texas on 6 meters. Chase that elusive tropo duct and work that station in Seattle like he was next door. These and other thrills are available when you sign up to be a VHF/UHF operator at Field Day 1998. Sign up at the next club meeting — look for the Field Day flag.

Antenna Raisers – It's sort of like barn raising, but without the walls. You just put up the poles and strings some wires where the walls should be. Experience with a slingshot and bow & arrow is helpful, but not required. Inexperienced people should apply. Lots of on-the-job-training is available.

Trailer Puller – A person with a truck and trailer hitch is needed to move the club trailer from Beaverton to the Field Day site and back again. This is a unique opportunity to have people stare at you on the freeway as you drive along trailing the 160 meter dipole.

Bystanders – What would Field Day be without bystanders? Tasks available include antenna erection supervision, kibitzing on operating technique, donut consumption, tent assembly supervision, assisting motor homes in reverse, and anything else you see that needs to be done in and around the Field Day site.

Color Trainer – Person with good color perception is needed to help Jim tell the difference between black and red wires. Good sense of polarity is a plus. Important that you can be on site early in the setup process. Please bring fuses. □□

BORSCH ELECTRONICS

Communications Servicing

9935 S.W. Johnson St.
Tigard, OR 97223

Joe Borsch W7PNS

(503) 684-5201

FIELD EQUIPMENT NEEDED

By Alan, KB7POR

OTVARC Field Day is operated through the generosity of club members. The club does not own all the equipment that is required to stage this event. Many items have already been offered, but we still need some things. Below is a list of what I am looking for at this time. There may be some more in this place next month.

Antenna supports – The location this year is a little short on good antenna trees. We need to plan on providing some artificial support for some of the antennas. Simple masts for hold up the ends of wires will be greatly appreciated.

Generator(s) – The site has no electricity. We will not use the generators for operating, but the essentials like coffeepots need more power than we can get from batteries.

Batteries – We can always use a few large 12-volt batteries.

220 and 440 beams – We have a transceiver for these bands, but no antennas. We tried a vertical last year on 440, but it was not successful in making any contacts.

Shelters – Do you have a large tent or a canopy that would like to come to Field Day? There is no shelter at the site and we need protection from the sun.

If you can help out with any of these things please give me a call at 636-2237. If I have forgotten to ask for anything let me know. Thanks for your help in putting Field Day together. □□

WHY SHOULD I GO TO FIELD DAY 1998

By Alan KB7POR

This is a really good question and it deserves many answers. Lets try out a few of them.

I am a new ham – Field Day gives you a chance to operate in modes that you have not used before. Perhaps you are a Technician with an HT and you have only worked with the local repeaters. On Field Day you can team up with a General and work the HF bands. A great opportunity.

I have been a ham forever – This is your chance to come out and help the new kids learn how to do ham radio the right way. Even if your name is not Elmer, you can help the newer hams learn how to setup antennas, how to hook up the radios, and most importantly, how to sound like an expert on the air. We all need to learn, and who better to teach than those with lots of experience.

My CW is a little rusty – You too can get on the CW station and get some practice. There is bound to be a lot of action during Field Day, you can get a lot of practice. If you can get the key running good at 0:dark:30 in your sleep you will have it down pat.

I have never worked that mode – Your station may not have all the modes and all the bands that the club is able to assemble for Field Day. This is your chance to come out and try your hand at working 6meter sideband. It's interesting, maybe you will get hooked.

I am not a ham – So what. One of the purposes of Field Day is to showcase our hobby to people who do not know what we do. With a licensed control operator even a non-ham can get on the air and make a contact. Can you think of a better introduction to the hobby? Since nearly everyone reading this article is already a ham, you should be getting a little hint here. Invite your non-ham friends to come out and see our great hobby in action.

These are a few of the answers to the question of "Why go to Field Day?". What is your reason for not going? Let me know and I will try to come up with an answer for you. In the meantime, I hope to see you at Field Day 1998. □□

EVERGREEN ENTERTIE PRESENTED AT APRIL MEETING

By Editor, W7OTV

The program at the general meeting on 8 April was a very interesting presentation on "The Evergreen Intertie System and How to Use It."

Ron Polluconi, KJ7IY, Vice President of the Western Oregon Radio Club (WORC), Frank Hoffman, WB7DZG, President of WORC, and Mike Hemel, KB7WUK, Secretary/Treasurer of WORC showed overheads, discussed the operation of the system and distributed handouts.

The intertie is a system which allows hams in sections of Montana, Oregon and Washington to bring up repeaters in areas out of repeater range and talk to hams in the distant locations.

Daily nets are:	(Portland area listen on 145.27Mhz)
Sunday	10PM Northwest Astronomy Group
Monday	8PM YL net (Ladies only please) Seattle based, locally optional.)
Tuesday	8PM ATV net. All about ATV and how to use it and make it work.
Wednesday	7PM WORC User Net (Portland only)
	8PM Entertie User's Net (System Wide)
Thursday	8PM Computer & Packet (Seattle Based, locally optional)
Friday	8PM Youth Net (Seattle based, locally optional)
Saturday	9AM Swap-n-Shop Net (System Wide)
	12Mid Nite Owls Net (System Wide)

Cities on the Intertie are:
Montana Billings
Bozeman
Greycliff
Lookout Pass

(Continued on page 4)

(Continued from page 3 - Evergreen Intertie)

Oregon Portland - 145.27Mhz, WB7DZG, Cooper Mtn.
145.47Mhz, KC7STO, (PL107.2) Pete's Mtn.
443.425Mhz, KC7STO, (PL100.0) Pete's Mtn.
Salem - 147.02Mhz, KC7KFE, Laurel Mtn (4000 feet
high west of Salem).

Washington Kalama
Ocean Shores
Olympia
Pullman
Seattle
Spokane
Walla Walla
Wenatchee

For the Portland, Oregon Area, you may apply for maps of the system and the DTMF codes to operate system. The requirements are that you must be an FCC licensed amateur radio operator, and that you send a large #10 self-addressed stamped envelope with 2oz (2 stamps) of postage, and a copy of your license to:

Western Oregon Radio Club, Inc.
PO Box 2259
Beaverton, OR 97075-2259
frankh@lloydio.com
(503) 641-3702

If you live outside the Portland area, please send your request for information along with a #10 SASE and a copy of your amateur radio license to:

Evergreen Intertie
4303 Maltby Road
Bothell, WA 98012-7343

The Western Oregon Radio Club, Inc. sponsors a home page at
LLOYDI/O HOME PAGE ☐

AREA VE TESTING SCHEDULED

By W7OTV

Phantom Amateur Radio Club (PARG)
Second and fourth Sunday of each month
Contact John, KA0SSF, at 503-626-7399

Salem Amateur Radio Club
Third Saturday of each month
Contact Sandy, N7TQQ, at 1-800-920-9604

McMinnville Amateur Radio Club
Monthly on Wednesday evenings
Call Mike Jones, AB7OE, at 503-864-3291

Clark County Amateur Radio Club
Contact 360-896-8909

Portland Adventist Radio Club
Portland Community Policing Center
Contact Edith, KA7MIF, at 642-5803

Hoodview Amateur Radio Club
Contact Patsy, W7PAT, at 503-668-4305

Oregon Tualatin Valley Amateur Radio Club
6 Jun., 1 Aug., and 5 Dec.
Testing will be at the TV Fire & Rescue Bldg., 20665
SW Blanton in Aloha., from 1PM TO 5PM.
Contact Carl Clawson at 503-629-5796 or 526-4610 if
further details are needed. ☐

INSERTION LOSS

By Neil, WA6KLA

THE EFFECT OF INSERTION LOSS ON TRANSMITTED POWER (dB to % loss)

Loss dB / % Loss	Loss dB / % Loss	Loss dB / % Loss	Loss dB / % Loss	Loss dB / % Loss	Loss dB / % Loss
0.1 2.28	1.7 32.4	3.3 53.2			
0.2 4.50	1.8 33.9	3.4 54.3			
0.3 6.67	1.9 35.4	3.5 55.3			
0.4 8.80	2.0 36.9	4.0 60.2			
0.5 10.9	2.1 38.3	5.0 68.4			
0.6 12.9	2.2 39.7	6.0 74.9			
0.7 14.9	2.3 41.1	7.0 80.0			
0.8 16.8	2.4 42.5	8.0 84.2			
0.9 18.7	2.5 43.8	9.0 87.4			
1.0 20.6	2.6 45.0	10 90.0			
1.1 22.4	2.7 46.3	11 92.1			
1.2 24.1	2.8 47.5	12 93.7			
1.3 25.9	2.9 48.7	13 95.0			
1.4 27.6	3.0 49.9	14 96.0			
1.5 29.2	3.1 51.0	15 96.8			
1.6 30.8	3.2 52.1	20 99.0			

For further information, or if you have questions, contact Neil
McKie, NNN0KLA at 503-649-4264, or e-mail at
n.mckie@genie.geis.com or at Box 5310, Aloha, OR 97006

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Aloha, OR 97007-1230

Internet: W7NI@teleport.com
Phone: (503) 649-0937
FAX: (503) 591-1620

(Continued from page 5 - Club History)

Al Berg WB7SIC (W7SIC)
Terry Biggs WB7CHK
Bud Butterfield KC7PS
Pat Griffiths KA7UFG
John Koenig NB7W

1990

PRESIDENT Ray Deeth K7VDQ
VICE-PRESIDENT Rick Schouweiler KA50LH
SECRETARY Steve Coan KA7MOW
TREASURER Ken Gilbert WR7D
TRUSTEES---
Al Berg WB7SIC (W7SIC)
Lynn Hurd WB7UNU
John Koenig NB7W
Marty McKillip KD7LA
Greg Milnes W7AGQ

1991

PRESIDENT Ray Deeth K7VDQ
VICE-PRESIDENT Susan Benson N7EPE
SECRETARY Steve Coan KA7MOW
TREASURER Ken Gilbert WR7D
TRUSTEES---
Wes Allen K7WWG
Al Berg WB7SIC (W7SIC)
Lynn Hurd WB7UNU
Alan Roehl K07B
Jim Schaeffer KB7ADH

1992

PRESIDENT Alan Churchill AA7CV
VICE-PRESIDENT Geno Buell KA7KBH
SECRETARY Brad Beach N7NVC
TREASURER Carl Clawson WS7L
TRUSTEES---
Susan Benson N7EPE
Al Berg WB7SIC (W7SIC)
Pat Griffiths KA7UFG
Alan Roehl K07B
Jim Schaeffer KB7ADH

1993

PRESIDENT Dale Mosby N7PEX
VICE-PRESIDENT Alan Churchill AA7CV
SECRETARY Brad Beach N7NVC
TREASURER Carl Clawson WS7L
TRUSTEES---
Wes Allen K7WWG
Al Berg WB7SIC (W7SIC)
Lynn Hurd WB7UNU
Dave Morrison W7JXU
Ira Rubin KF7QS

1994

PRESIDENT Bill Merwin N7VZF (K7BKS)
VICE-PRESIDENT Chris Black N7MWL
(mid term) Betty Mickley N7REX
SECRETARY Brad Beach N7NVC
TREASURER Tim Taylor N7UCA
TRUSTEES---
Wes Allen K7WWG
Al Berg WB7SIC (W7SIC)
Camber Bybee KB7RGX

Lynn Hurd WB7UNU
Rick Rasch KB7NTT

1995

PRESIDENT Bill Merwin N7VZF (K7BKS)
VICE-PRESIDENT Janet Bell WB7FJC
SECRETARY Alan Chinnock KB7POR
TREASURER Lorna Campbell KA7RFD
TRUSTEES---
Wes Allen K7WWG
Brad Beach N7NVC
Chuck Mickley KI7CL
Bob Cowan KI7QI
Bert Rooke KI7JX

1996

PRESIDENT Jim Schaeffer KB7ADH
VICE-PRESIDENT Neil McKie WA6KLA
SECRETARY Alan Chinnock KB7POR
TREASURER Brad Beach N7NVC
TRUSTEES---
Wes Allen K7WWG
(mid term) Will Sheffield N7THL
Janet Bell WB7FJC
Al Berg WB7SIC (W7SIC)
Stan Griffiths W7NI
Chuck Mickley KI7CL

1997

PRESIDENT Betty Mickley N7REX
VICE-PRESIDENT Jim Schaeffer KB7ADH
SECRETARY Dale LeBarron W7FBP
TREASURER Hanford Van Ness KE7BB
TRUSTEES---
Janet Bell WB7FJC
Al Berg WB7SIC (W7SIC)
Stan Griffiths W7NI
Will Sheffield N7THL
Jack Smithson KA7HOJ

1998

PRESIDENT Betty Mickley N7REX
VICE-PRESIDENT J.D. Fort KC7EHT(K7JDF)
SECRETARY Dale LeBarron W7FBP
TREASURER Hanford Van Ness KE7BB
TRUSTEES---
Janet Bell WB7FJC
Al Berg W7SIC
Maureen O'Rourke KA7LAP
Will Sheffield N7THL
Jack Smithson KA7HOJ □□

WANTED

Low dollar TNC and software for IBM PC.
Call Willis, N7DZR, at 292-1656.

Convention Schedule

Friday, May 29

Registration	11:00AM - 8:00PM
Exhibitor & Flea Market Setup (SETUP ONLY)	11:00AM - 9:00PM
ARRL Workshop (Convention Center)	1:00PM - 6:00PM
Ladies Hospitality Suite (Convention Center Inn, Room 125)	5:00PM - 8:00PM

Saturday, May 30

Registration	8:00AM - 4:30PM
Exhibits & Flea Market	9:00AM - 4:30PM
Snack Bar	9:00AM - 4:30PM
Ladies Hospitality Suite (Convention Center Inn Room 125)	9:00AM - 5:00PM
Kids, Krayons & Kartoons	9:00AM - 4:30PM
VE Exams (Pre-registered Only. Our Saviour's Lutheran Church)	9:00AM - 12:00N
Seminars	9:30AM - 5:00PM
YLRL Luncheon & Program (Ocean view Room TBA)	11:30AM- 1:30PM
Pre-Banquet Happy Hour	6:30PM - 7:15PM
Banquet	7:15PM - 9:30PM

Sunday, May 31

Registration	8:30AM - 12:00N
Exhibits & Flea Market	9:00AM - 12:00N
Ladies Hospitality Suite (Convention Center Inn Room 125)	9:00AM - 12:00N
Kids, Krayons & Kartoons	9:00AM - 2:00PM
Seminars	9:00AM - 12:00N
Snack Bar	9:30AM - 2:00PM
Grand Awards	1:00PM - 2:00PM
Convention Closes	2:00PM

A Complete Schedule of activities and locations will be available at the Convention Center on Friday May 29, 1998

Ladies Programs

Hospitality Suite - Convention Center Inn Room 125

Coffee, Conversation and Cards
Coffee, Treats and Seminars
Seminar Topics (to be announced)

Friday 5:00PM to 8:00PM
Saturday 9:00 AM to 5:00PM
Sunday 9:00 AM to 12:00 Noon

Seaside Downtown Merchants have a Discount Coupon
Book for visitors available at the Hospitality Suite

YLRL Booth

YLRL Luncheon at the Oceanview
Janet Margelli, WØMF will talk on DXing

Information Contacts

General Information: Randy Stimson, KZ7T
(503) 297-1175

Exhibitor Information: Al Berg, W7SIC
(503) 640-5456

Flea Market Information: Lynn Hurd, WB7UNU
(503) 624-1999

Motel Assistance in Seaside: 800-444-6740
(503) 738-6391

Mailing Address: SeaPac Ham Convention
Post Office Box 219142
Portland, Oregon 97225-9142

MAKE CHECKS
PAYABLE TO:
SEA•PAC

REGISTRATION

No. _____
Office Use Only

Mail To: SEAPAC, Box 219142, Portland, OR 97225-9142

_____ Registrations at \$6.00 ea. (\$8.00 at the door) \$ _____

_____ Teen Registration (Age 13 - 18) at \$3.00 ea. \$ _____
(When accompanied by a registered adult)

_____ Children 12 and under FREE

_____ Used Equipment Flea Market Tables (No Dealer Sales) \$ _____
(\$14 per table per day or \$20 per table for 2 days)

_____ Saturday YLRL Lunch at \$12.00 (50 person limit) \$ _____

_____ Saturday Banquet Salmon Dinner at \$20.00 \$ _____

_____ Saturday Banquet Prime Rib Dinner at \$20.00 \$ _____

300 Person Limit

*NOTE: Flea Market Participants must
be registered for the convention*

*Registration Questions
Will 503-642-7314*

Total \$ _____

Name _____ Call Sign _____

Address _____

City _____ State _____ Zip _____ Phone _____

↓ NICKNAME & CALL SIGN FOR REGISTRATION BADGE (Please Indicate Children: (C) Please Print) ↓

7

OTVARC

Oregon Tualatin Valley ARC

PO Box 5132

Aloha, OR 97006-0132

Address Correction Requested



SEA*PAC
THE PLACE TO BE
MAY 29,30 AND 31